

## SEQUENCE LISTING

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<120> PRO-APOPTOTIC FRAGMENTS OF THE DENGUE VIRUS ENVELOPE GLYCOPROTEINS

<130> 209671US0

<140> 09/881,710

<141> 2001-06-18

<150> 60/212,129

<151> 2000-06-16

<160> 30

<170> PatentIn version 3.1

<210> 1

<211> 76

<212> PRT

<213> Dengue virus

<400> 1

Met Asn Arg Arg Lys Arg Ser Val Thr Met Leu Leu Met Leu Leu Pro  
1 5 10 15

Thr Ala Leu Ala Arg Glu Pro Pro Val Ala Thr Met Leu Ala Met Glu  
20 25 30

Glu Leu Tyr Ser Ser Val Ala Leu Ala Pro His Val Gly Leu Gly Leu  
35 40 45

Glu Thr Arg Thr Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys Gln  
50 55 60

Ile Gln Lys Val Glu Thr Trp Ala Leu Arg His Pro  
65 70 75

<210> 2

<211> 20

<212> PRT

<213> Dengue virus

<400> 2

Met Asn Arg Arg Lys Arg Ser Val Thr Met Leu Leu Met Leu Leu Pro  
1 5 10 15

Thr Val Leu Ala  
20

<210> 3

<211> 30

<212> PRT

<213> Dengue virus

<400> 3

Pro His Val Gly Met Gly Leu Glu Thr Arg Thr Glu Thr Trp Met Ser  
 1 5 10 15

Ser Glu Gly Ala Trp Lys His Val Gln Arg Ile Glu Thr Trp  
 20 25 30

<210> 4

<211> 91

<212> DNA

<213> Dengue virus

<400> 4  
 gctagcgcta ccggactcag atctcgagct caagcttcga attctgcagt cgacgggtacc 60  
 gcggggcccgg gatccaccgg tcgccaccat g 91

<210> 5

<211> 91

<212> DNA

<213> Dengue virus

<400> 5  
 gctagcaatg aacaggagga aaagatccgt gaccatgctc ctcatgctgc tgcccacagc 60  
 cctggcccgg gatccaccgg tcgccaccat g 91

<210> 6

<211> 42

<212> DNA

<213> Dengue virus

<400> 6  
 ctcgggcatgg acgagctgta caagtaaagc ggccgcactc ta 42

<210> 7

<211> 73

<212> DNA

<213> Dengue virus

<400> 7

ctcggcatgg acgagctgta cagttccgtg gctctggccg ctttgagaca cccatgattc

60

gcggccgcga ctc

73

<210> 8

<211> 42

<212> DNA

<213> Dengue virus

<400> 8

ctcggcatgg acgagctgta caagtaaagc ggccgcactc ta

42

<210> 9

<211> 8

<212> PRT

<213> Dengue virus

<400> 9

Leu Ala Met Glu Glu Leu Tyr Asn  
1 5

<210> 10

<211> 20

<212> PRT

<213> Dengue virus

<400> 10

Met Asn Arg Arg Lys Arg Ser Val Thr Met Leu Leu Met Leu Leu Pro  
1 5 10 15

Thr Val Leu Ala  
20

<210> 11

<211> 30

<212> PRT

<213> Dengue virus

<400> 11

Pro His Val Gly Met Gly Leu Glu Thr Arg Thr Glu Thr Trp Met Ser  
1 5 10 15

Ser Glu Gly Ala Trp Lys His Val Gln Arg Ile Glu Thr Trp  
20 25 30

<210> 12

<211> 39

<212> PRT

<213> Dengue virus

<400> 12

Ser Val Ala Leu Ala Pro His Val Gly Leu Gly Leu Glu Thr Arg Thr  
1 5 10 15

Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys Gln Ile Gln Lys Val  
20 25 30

Glu Thr Trp Ala Leu Arg His  
35

<210> 13

<211> 39

<212> PRT

<213> Mus musculus

<400> 13

Ser Pro Ala Leu Ala Asp Lys Ala Gly Val Ser Glu Gln Pro Thr Ala  
1 5 10 15

Thr Trp Ser Ser Val Lys Ser Ser Ala Leu Arg Gln Ile Pro Arg Cys  
20 25 30

Pro Thr Val Cys Leu Gln Asn  
35

<210> 14

<211> 20

<212> PRT

<213> Homo sapiens

<400> 14

Leu Arg Glu Arg Leu Leu Gly Trp Ile Gln Asp Gln Gly Gly Trp Asp  
1 5 10 15

Gly Leu Leu Ser  
20

<210> 15

<211> 20

<212> PRT

<213> Dengue virus

<400> 15

Leu Glu Thr Arg Thr Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys  
1 5 10 15

His Ala Gln Arg  
20

<210> 16

<211> 20

<212> PRT

<213> Dengue virus

<400> 16

Leu Asp Thr Arg Thr Gln Thr Trp Met Ser Ala Glu Gly Ala Trp Arg  
1 5 10 15

Gln Val Glu Lys  
20

<210> 17

<211> 20

<212> PRT

<213> Dengue virus

<400> 17

Leu Glu Thr Arg Ala Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys  
1 5 10 15

His Ala Gln Arg  
20

<210> 18

<211> 20

<212> PRT

<213> Kunjin virus

<400> 18

Leu Ser Asn Lys Lys Gly Ala Trp Met Asp Ser Thr Lys Ala Thr Arg  
1 5 10 15

Tyr Leu Val Lys  
20

<210> 19

<211> 20

<212> PRT

<213> Japanese encephalitis virus

<400> 19

Leu Val Asn Lys Lys Glu Ala Trp Leu Asp Ser Thr Lys Ala Thr Arg  
1 5 10 15

Tyr Leu Met Lys  
20

<210> 20

<211> 20

<212> PRT

<213> Murray Valley encephalitis virus



<400> 20

Leu Val Asn Lys Lys Asp Ala Trp Leu Asp Ser Thr Lys Ala Thr Arg  
1 5 10 15

Tyr Leu Thr Lys  
20

<210> 21

<211> 20

<212> PRT

<213> West Nile virus

<400> 21

Leu Ala Asn Lys Lys Gly Ala Trp Met Asp Ser Thr Lys Ala Thr Arg  
1 5 10 15

Tyr Leu Val Lys  
20

<210> 22

<211> 20

<212> PRT

<213> St. Louis encephalitis virus

<400> 22

Leu Ala Thr Lys Asn Thr Pro Trp Leu Asp Thr Val Lys Thr Thr Lys  
1 5 10 15

Tyr Leu Thr Lys  
20

<210> 23

<211> 20

<212> PRT

<213> Vesicular stomatitis virus

<400> 23

Leu	Lys	Thr	Arg	Gln	Glu	Lys	Trp	Met	Thr	Gly	Arg	Met	Gly	Glu	Arg
1				5					10					15	

Gln	Leu	Gln	Lys
			20

<210> 24

<211> 20

<212> PRT

<213> Tick-borne encephalitis virus

<400> 24

Leu	Thr	Gly	Arg	Gly	His	Lys	Trp	Leu	Glu	Gly	Asp	Ser	Leu	Arg	Thr
1				5					10					15	

His	Leu	Thr	Arg
			20

<210> 25

<211> 20

<212> PRT

<213> Flavivirus langat

<400> 25

Leu	Thr	Gly	Arg	Gly	His	Gln	Trp	Leu	Glu	Gly	Glu	Ala	Val	Lys	Ala
1				5					10					15	

His Leu Thr Arg  
20

<210> 26

<211> 20

<212> PRT

<213> Powassan virus

<400> 26

Met Val Gly Thr Gly His Ala Trp Leu Lys Gly Asp Asn Ile Arg Asp  
1 5 10 15

His Val Thr Arg  
20

<210> 27

<211> 41

<212> PRT

<213> West Nile virus

<400> 27

Arg Ser Leu Thr Val Gln Thr His Gly Glu Ser Thr Leu Ala Asn Lys  
1 5 10 15

Lys Gly Ala Trp Met Asp Ser Thr Lys Ala Thr Arg Tyr Leu Val Lys  
20 25 30

Thr Glu Ser Trp Ile Leu Arg Asn Pro  
35 40

<210> 28

<211> 40

<212> PRT

<213> Dengue virus

<400> 28

Ser	Val	Ala	Leu	Ala	Pro	His	Val	Gly	Leu	Gly	Leu	Glu	Thr	Arg	Thr
1			5						10					15	

Glu	Thr	Trp	Met	Ser	Ser	Glu	Gly	Ala	Trp	Lys	Gln	Ile	Gln	Lys	Val
			20					25					30		

Glu	Thr	Trp	Ala	Leu	Arg	His	Pro
		35					40

<210> 29

<211> 40

<212> PRT

<213> Dengue virus

<400> 29

Ser	Val	Ala	Leu	Val	Pro	His	Val	Gly	Met	Gly	Leu	Glu	Thr	Arg	Thr
1			5						10					15	

Glu	Thr	Trp	Met	Ser	Ser	Glu	Gly	Ala	Trp	Lys	His	Ala	Gln	Arg	Ile
			20					25					30		

Glu	Thr	Trp	Ala	Leu	Arg	His	Pro
		35					40

<210> 30

<211> 39

<212> PRT

<213> Dengue virus

<400> 30

Ser Val Ala Leu Ala Pro His Val His Leu His Leu Glu Thr Arg Thr  
1 5 10 15

Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys Gln Ile Gln Lys Val  
20 25 30

Glu Thr Trp Ala Leu Arg His  
35